



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **58081770**(22) Date of filing: **12.05.1983**(71) Applicant: **TEIJIN LTD**(72) Inventor: **YAMADA KENKO**(54) **PERMSELECTIVE MEMBRANE**

(57) Abstract:

PURPOSE: To provide a permselective membrane for selectively separate and concentrating oxygen in the air, constituted of a polymer consisting a polyamine component prepared by containing two kinds of specific polyamine compounds in a predetermined ratio and an isocyanate component.

CONSTITUTION: A polyamine compound I represented by formula I (wherein R_1 , R_2 , R_{11} and R_{12} are a hydrogen atom or an 1W10C hydrocarbon group, R_3 and R_4 are a hydrogen atom or a 15C or less hydrocarbon group which may have an amino group and R_5 , R_6 , R_7 , R'_7 , R_8 , R'_8 , R_9 , R_{13} , R_{14} , R_{15} , R'_{15} , R_{16} and R'_{16} are a 20C or less hydrocarbon group of a fluorinated hydrocarbon group) and a polyamine compound II represented by formula II are prepared. A polyamine component prepared by containing both compounds I, II in such a mol ratio that polyamine compound I / (polyamine compound I + polyamine compound II) is 1W0.1 is reacted with polysiocyanate having a plural-

ity of isocyanate groups to form a siloxane-containing polyurea polymer. Oxygen in the air is separated and concentrated by the membrane comprising this polymer.

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